## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/553,676A
Source:	IFWO,
Date Processed by STIC:	10/17/06

# ENTERED

## CRF Errors Edited by the STIC Systems Branch

Serial	Number: 10/553, 676A	CRF Edit Date: /0/17/06 Edited by:
	Realigned nucleic acid/amino acid numbers/text text "wrapped" to the next line	in cases where the sequence
	Corrected the SEQ ID NO. Sequence numbers e	dited were:
	Inserted or corrected a nucleic number at the end NO's edited:	d of a nucleic line. SEQ ID
	Deleted: invalid beginning/end-of-file text;	page numbers
	Inserted mandatory headings/numeric identifiers	s, specifically:
	Moved responses to same line as heading/numeri	c identifier, specifically:
<u>J</u>	Other: Sequence 4-corrected (2227)	runevi edentifici

Revised 09/09/2003



**IFWO** 

RAW SEQUENCE LISTING DATE: 10/17/2006
PATENT APPLICATION: US/10/553,676A TIME: 15:03:56

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        COFFY, SANDRINE
 6 <120> TITLE OF INVENTION: INSULIN-INDUCED GENE AS THERAPEUTIC TARGET IN DIABETES
 8 <130> FILE REFERENCE: MERCK-3082
10 <140> CURRENT APPLICATION NUMBER: 10/553,676A
11 <141> CURRENT FILING DATE: 2005-10-17
13 <150> PRIOR APPLICATION NUMBER: PCT/EP04/02809
14 <151> PRIOR FILING DATE: 2004-03-18
                                                      poe p.6
16 <150> PRIOR APPLICATION NUMBER: FR 0304835
17 <151> PRIOR FILING DATE: 2003-04-17
19 <160> NUMBER OF SEQ ID NOS: 8
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24 <211> LENGTH: 1062
25 <212> TYPE: DNA
26 <213> ORGANISM: Rattus sp.
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31 atccgagtgg actgcagcag cctgggcccc cacattgtgc ctgtgcccat ccctctggac 180
32 acageceace tggacetgte ttecaacegg etagaaaceg tgaatgagte agteetggga 240
33 gggccaggct ataccacact ggctggcctg gatctcagtc acaacctcct caccagcatc 300
34 acgcccactg cetteteceg cettegetae etggagteae tggaceteag teacaatgge 360
35 ctggcagccc tgccagcaga ggttttcacc agctccccct tgagtgatat caacctgagc 420
36 cataategac ttagagaggt etegatatet geetteacea eecacageea ggggegggea 480
37 ctgcacgtgg acctatecea caatettate caeegeetge teceetatee agecagggee 540
38 agectgteeg caectaceat teagageetg aacetgteet ggaacegget eegageegtg 600
39 cccgatctcc gagacctacc cctgcgttac ctgagcctgg atgggaaccc tctggctacc 660
40 atcaacccag gcgccttcat ggggctggcg ggcctcaccc acctttcact ggcaagccta 720
41 cagggtatec tecagetace acceeatgge tteegagage teceaggeet teaggteetg 780
42 gacttgtctg gtaaccccaa gctcaagtgg gcaggagccg aggtattttc aggcctgggt 840
43 ttgctgcaag aactagacct gtctggctcc agcctggtgc ccctgcctga gacgctgcta 900
44 catcacctcc ctgctttaca gagtgtcagt gtaggccaag atgtgcagtg ccggcgtctg 960
45 gtacgggagg gtgcctacca ccgccaaccc ggttccagcc ctaaggtagt cctgcactgt 1020
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50 <211> LENGTH: 353
51 <212> TYPE: PRT
52 <213> ORGANISM: Rattus sp.
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58 Thr Thr Arg Pro Cys Phe Pro Gly Cys Gln Cys Glu Glu Glu Thr Phe
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Input Set : A:\PTO.AMC.txt

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64 Gly Pro His Ile Val Pro Val Pro Ile Pro Leu Asp Thr Ala His Leu
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67 Asp Leu Ser Ser Asn Arg Leu Glu Thr Val Asn Glu Ser Val Leu Gly
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70 Gly Pro Gly Tyr Thr Leu Ala Gly Leu Asp Leu Ser His Asn Leu
                    85
                                        90
73 Leu Thr Ser Ile Thr Pro Thr Ala Phe Ser Arg Leu Arg Tyr Leu Glu
               100
                                                       110
                                   105
76 Ser Leu Asp Leu Ser His Asn Gly Leu Ala Ala Leu Pro Ala Glu Val
                               120
79 Phe Thr Ser Ser Pro Leu Ser Asp Ile Asn Leu Ser His Asn Arg Leu
                           135
                                               140
82 Arg Glu Val Ser Ile Ser Ala Phe Thr Thr His Ser Gln Gly Arg Ala
                       150
                                           155
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                   165
                                       170
88 Pro Ala Arg Ala Ser Leu Ser Ala Pro Thr Ile Gln Ser Leu Asn Leu
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91 Ser Trp Asn Arg Leu Arg Ala Val Pro Asp Leu Arg Asp Leu Pro Leu
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94 Arg Tyr Leu Ser Leu Asp Gly Asn Pro Leu Ala Thr Ile Asn Pro Gly
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                                               220
97 Ala Phe Met Gly Leu Ala Gly Leu Thr His Leu Ser Leu Ala Ser Leu
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103 Leu Gln Val Leu Asp Leu Ser Gly Asn Pro Lys Leu Lys Trp Ala Gly
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106 Ala Glu Val Phe Ser Gly Leu Gly Leu Leu Gln Glu Leu Asp Leu Ser
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109 Gly Ser Ser Leu Val Pro Leu Pro Glu Thr Leu Leu His His Leu Pro
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112 Ala Leu Gln Ser Val Ser Val Gly Gln Asp Val Gln Cys Arg Arg Leu
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128 <213 > ORGANISM: Homo sapiens
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131 <221> NAME/KEY: CDS
132 <222> LOCATION: (14)..(1072)
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	137				ľ	Met 1	Pro '	Trp 1	Pro 1	Leu :	Leu :	Leu :	Leu	Leu .	Ala '	Val S	Ser	
	138					1.				5					10			
									tgc									97
	141	Gly	Ala	Gln	Thr	Thr	Arg	Pro	Cys	Phe	Pro	Gly	Cys	Gln	Cys	Glu	Val	
	142			15					20					25				
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	145	Glu		Phe	Gly	Leu	Phe	Asp	Ser	Phe	Ser	Leu	Thr	Arg	Val	Asp	Cys	
	146		30					35					40					
									atg									193
	149	Ser	Gly	Leu	Gly	Pro		Ile	Met	Pro	Val		Ile	Pro	Leu	Asp		
	150	45					50					55					60	
									aac									241
		Ala	His	Leu	Asp		Ser	Ser	Asn	Arg		Glu	Met	Val	Asn		Ser	
	154					65					70					75		
			_			_			acg	_	_	_		_	_		_	289
		Val	Leu	Ala	_	Pro	GIY	Tyr	Thr		Leu	Ala	GLY	Leu	_	Leu	Ser	
	158				80					85					90			225
				_			_		tca			_					_	337
		His	Asn		Leu	Thr	ser	He	Ser	Pro	Thr	Ala	Pne		Arg	ьeu	Arg	
	162			95					100					105				205
					_		_		agc				_					385
W>		TYE		GIU	ser	ren	Asp		ser	HIS	Asn	GIY	120	хаа	Ата	Leu	PIO	
	166	~~~	110	200	++-	200	200	115	~~~	a+ ~	200	~~~		224	at t	200	<b>a</b> 2a	433
									ccc Pro									433
	170		GIU	Ser	FIIE	1111	130	ser.	PIO	пец	SET	135	vaı	ASII	пец	Per	140	
			aaa	ata	aaa	asa		tas	gtg	t at	aaa		200	200	Cac	ant		481
									Val									401
	174	LOII	GIII	пса	Arg	145	Val	DCI	vai	561	150	FIIC	1111	1111	1113	155	OIII	
		aac	caa	aca	cta		ata	uac	ctc	tcc		aac	ctc	att	cac		ctc	529
									Leu									323
	178	013	9	1114	160	*****	•	1101	шеш	165	1110		200		170	5		
		ata	ccc	cac		acq	agg	acc	ggc		cct	aca	ccc	acc		caq	agc	577
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	182			175			5		180					185				
		cta	aac		acc	taa	aac	caa	ctc	cat	acc	ata	ccc		ctc	cqa	gac	625
		_		_					Leu					_	_	_	_	
	186		190					195					200			5	-	
		tta		ctq	cac	tac	ctq	agc	ctg	qat	aaa	aac	cct	cta	qct	qtċ	att	673
									Leu									
	190					-	210			_	4	215					220	
			cca	aat	acc	ttc	gca	gga	ctg	gga	ggc	ctt	aca	cac	ctq	tct	ctg	721
	192	996	~~,	377					_									
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							Ala	Gly	Leu	Gly	Gly 230	Leu	Thr	His	Leu			
	193 194	Gly	Pro	Gly	Ala	Phe 225		_	Leu gag	-	230					Ser 235	Leu	769
	193 194 196	Gly gcc	Pro agc	Gly ctg	Ala	Phe 225 agg	ctc	cct		ctg	230 gcg	ccc	agt	ggc	ttc	Ser 235 cgt	Leu gag	769

Input Set : A:\PTO.AMC.txt

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	Leu Pro															
202		255					260			4		265	-			
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	Trp Ala															
206	270					275		2			280					
	gac ctt		aac	acc	aac		ata	ccc	cta	cct	qaq	aca	ctq	ctc	ctc	913
	Asp Leu															
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	cac ctc	cca	gca	cta		agc	atc	agc	ata	aac	caq	gat	ata	caa	tac	961
	His Leu															
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	cgg cgc	cta	ata		gag	aac	acc	tac	ccc	caa	agg	cct	qqc	tcc	aqc	1009
	Arg Arg															
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	Pro Lys															
222	110 - 7.5	335				-7-	340	F		5		345			3	
	ggc ccc			t.t.a	t.ga	caaai		ata	accca	aa a	acca	cata	a ca	gacto	acta	1112
	Gly Pro				95.		-33	- 5 - 5.	, , , , ,	-J J.	,			J	J J	
226	350															
	tcctggg		cata	agati	aa a	gagta	aacti	ato	atte	aatq	tac	caaca	acc .	aata	ggagc	1172
	ccgcagg															
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	gtggaco															
	ggcccag															
	atgaggo															
	agaatca															
	aggctaa															
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	cccttgc															
	agcctca															
	gcccttc															
	ctgggtt															
	ctagate															
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	gcatcto															
	cttttta															
268	acatgto	att	tqta	aaaq	ca q	aaaa	aggti	ge:	attt	gttc	acti	tttgi	taa	tatt	gtcctg	2372
	ggcctgt															
	ggcccca															
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Input Set : A:\PTO.AMC.txt

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    287 <223> OTHER INFORMATION: Ala or Thr
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    296 Leu Phe Asp Ser Phe Ser Leu Thr Arg Val Asp Cys Ser Gly Leu Gly
    299 Pro His Ile Met Pro Val Pro Ile Pro Leu Asp Thr Ala His Leu Asp
                                 55
    302 Leu Ser Ser Asn Arg Leu Glu Met Val Asn Glu Ser Val Leu Ala Gly
    305 Pro Gly Tyr Thr Thr Leu Ala Gly Leu Asp Leu Ser His Asn Leu Leu
                         85
                                              90
    308 Thr Ser Ile Ser Pro Thr Ala Phe Ser Arg Leu Arg Tyr Leu Glu Ser
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                                         105
W--> 311 Leu Asp Leu Ser His Asn Gly Leu Xaa Ala Leu Pro Ala Glu Ser Phe
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                                    120
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    317 Glu Val Ser Val Ser Ala Phe Thr Thr His Ser Gln Gly Arg Ala Leu
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    323 Thr Arg Ala Gly Leu Pro Ala Pro Thr Ile Gln Ser Leu Asn Leu Ala
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    326 Trp Asn Arg Leu His Ala Val Pro Asn Leu Arg Asp Leu Pro Leu Arg
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                                                        205
    327 195
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                                                 235
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    338 Gln Val Leu Asp Leu Ser Gly Asn Pro Lys Leu Asn Trp Ala Gly Ala
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                                         265
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/17/2006 PATENT APPLICATION: US/10/553,676A

TIME: 15:03:57

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10172006\J553676A.raw

#### Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 121 Seq#:4; Xaa Pos. 121

#### VERIFICATION SUMMARY

DATE: 10/17/2006 TIME: 15:03:57

PATENT APPLICATION: US/10/553,676A

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10172006\J553676A.raw

L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:385 L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:112

## Raw Sequence Listing before editing (for reference only)



DATE: 10/16/2006

**IFWO** 

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PATENT APPLICATION: US/10/553,676A
                                                        TIME: 08:48:10
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 3 <110> APPLICANT: ASFARI, MARYAM
        COFFY, SANDRINE
 6 <120> TITLE OF INVENTION: INSULIN-INDUCED GENE AS THERAPEUTIC TARGET IN DIABETES
 8 <130> FILE REFERENCE: MERCK-3082
10 <140> CURRENT APPLICATION NUMBER: 10/553,676A
11 <141> CURRENT FILING DATE: 2005-10-17
13 <150> PRIOR APPLICATION NUMBER: PCT/EP04/02809
14 <151> PRIOR FILING DATE: 2004-03-18
                                                         Does Not Comply
Corrected Diskette Needed
16 <150> PRIOR APPLICATION NUMBER: FR 0304835
17 <151> PRIOR FILING DATE: 2003-04-17
19 <160> NUMBER OF SEQ ID NOS: 8
21 <170> SOFTWARE: PatentIn Ver. 3.3
23 <210> SEO ID NO: 1
24 <211> LENGTH: 1062
25 <212> TYPE: DNA
26 <213> ORGANISM: Rattus sp.
28 <400> SEQUENCE: 1
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31 atccgagtgg actgcagcag cctgggcccc cacattgtgc ctgtgcccat ccctctggac 180
32 acageceace tggacetgte ttecaacegg etagaaaceg tgaatgagte agteetggga 240
33 gggccaggct ataccacact ggctggcctg gatctcagtc acaacctcct caccagcatc 300
34 acgcccactg ccttctcccg ccttcgctac ctggagtcac tggacctcag tcacaatggc 360
35 ctggcagccc tgccagcaga ggttttcacc agctcccct tgagtgatat caacctgagc 420
36 cataatcgac ttagagaggt ctcgatatct gccttcacca cccacagcca ggggcgggca 480
37 ctgcacgtgg acctatecea caatettate caeegeetge teceetatee agecagggee 540
38 agectyteeg caectaceat teagageetg aacetyteet ggaacegyet eegageegtg 600
39 cccgatctcc gagacctacc cctgcgttac ctgagcctgg atgggaaccc tctggctacc 660
40 atcaacccag gcgccttcat ggggctggcg ggcctcaccc acctttcact ggcaagccta 720
41 cagggtatec tecagetace acceeatgge tteegagage teceaggeet teaggteetg 780
42 gacttgtctg gtaaccccaa gctcaagtgg gcaggagccg aggtattttc aggcctgggt 840
43 ttgctgcaag aactagacct gtctggctcc agcctggtgc ccctgcctga gacgctgcta 900
44 catcacctcc ctgctttaca gagtgtcagt gtaggccaag atgtgcagtg ccggcgtctg 960
45 gtacgggagg gtgcctacca ccgccaaccc ggttccagcc ctaaggtagt cctgcactgt 1020
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49 <210> SEQ ID NO: 2
50 <211> LENGTH: 353
51 <212> TYPE: PRT
52 <213> ORGANISM: Rattus sp.
54 <400> SEQUENCE: 2
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10

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RAW SEQUENCE LISTING

Input Set : A:\MERC3082.APP

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67 Asp Leu Ser Ser Asn Arg Leu Glu Thr Val Asn Glu Ser Val Leu Gly
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70 Gly Pro Gly Tyr Thr Thr Leu Ala Gly Leu Asp Leu Ser His Asn Leu
73 Leu Thr Ser Ile Thr Pro Thr Ala Phe Ser Arg Leu Arg Tyr Leu Glu
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                                  105
76 Ser Leu Asp Leu Ser His Asn Gly Leu Ala Ala Leu Pro Ala Glu Val
    115
                              120
79 Phe Thr Ser Ser Pro Leu Ser Asp Ile Asn Leu Ser His Asn Arg Leu
                          135
82 Arg Glu Val Ser Ile Ser Ala Phe Thr Thr His Ser Gln Gly Arg Ala
                      150
                                          155
85 Leu His Val Asp Leu Ser His Asn Leu Ile His Arg Leu Leu Pro Tyr
                                      170
88 Pro Ala Arg Ala Ser Leu Ser Ala Pro Thr Ile Gln Ser Leu Asn Leu
              180
                                  185
91 Ser Trp Asn Arg Leu Arg Ala Val Pro Asp Leu Arg Asp Leu Pro Leu
                              200
94 Arg Tyr Leu Ser Leu Asp Gly Asn Pro Leu Ala Thr Ile Asn Pro Gly
                          215
                                              220
97 Ala Phe Met Gly Leu Ala Gly Leu Thr His Leu Ser Leu Ala Ser Leu
                      230
                                          235
100 Gln Gly Ile Leu Gln Leu Pro Pro His Gly Phe Arg Glu Leu Pro Gly
                   245
                                       250
103 Leu Gln Val Leu Asp Leu Ser Gly Asn Pro Lys Leu Lys Trp Ala Gly
                                   265
               260
106 Ala Glu Val Phe Ser Gly Leu Gly Leu Leu Gln Glu Leu Asp Leu Ser
                               280
109 Gly Ser Ser Leu Val Pro Leu Pro Glu Thr Leu Leu His His Leu Pro
                           295
112 Ala Leu Gln Ser Val Ser Val Gly Gln Asp Val Gln Cys Arg Arg Leu
                                           315
                       310
115 Val Arg Glu Gly Ala Val His Arg Gln Pro Gly Ser Ser Pro Lys Val
                                       330
                  325
118 Val Leu His Cys Gly Asp Thr Gln Glu Ser Ala Arg Gly Pro Asp Ile
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                                   345
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125 <210> SEQ ID NO: 3
126 <211> LENGTH: 2557
127 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapiens
130 <220> FEATURE:
131 <221> NAME/KEY: CDS
132 <222> LOCATION: (14)..(1072)
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Input Set : A:\MERC3082.APP

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	137				N	1et I	Pro :	rp i	Pro I	Leu I	Leu I	Leu I	Leu I	Leu I	Ala N	al S	Ser	
	138					1				5					10			
	140	qqq	qcc	caq	aca	acc	cgg	cca	tgc	ttc	CCC	ggg	tgc	caa	tgc	gag	gtg	97
									Cys									
,	142	_		15			-		20			•	•	25	-			
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									Ser									
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									Met									
	150	45	Ory	пси	O <sub>1</sub>	110	50	110	1100		• • • •	55				11.55	.60	
			Cac	tta	asc.	ata		tcc	aac	caa	cta	-	ato	ata	aat	gag		241
									Asn									241
		Ala	птр	теп	Asp	65	ser	Ser	ASII	Arg	70	GIU	Mec	vai	Poli	75	Ser	
	154			~~~	~~~		~~~	+				~~+	~~~	ata	~~+		300	289
									acg									209
		vaı	ьeu	Ala	_	PIO	GIY	Tyr	Thr		ьeu	Ala	GIY	ьeu		пеп	per	
	158				80		,			85					90			227
									tca									337
		His	Asn		Leu	Thr	ser	тте	Ser	Pro	Thr	Ата	Pne		Arg	ьeu	Arg	
	162			95					100					105				225
									agc									385
W>		Tyr		Glu	Ser	Leu	Asp		Ser	His	Asn	Gly		Xaa	Ala	Leu	Pro	
	166		110					115					120					
									CCC									433
	169	Ala	Glu	Ser	Phe	Thr	Ser	Ser	Pro	Leu	Ser	Asp	Val	Asn	Leu	Ser		
	170						130					135					140	
									gtg									481
	173	Asn	Gln	Leu	Arg	Glu	Val	Ser	Val	Ser	Ala	Phe	Thr	Thr	His	Ser	Gln	
	174				,	145					150					155		
	176	ggc	cgg	gca	cta	cac	gtg	gac	ctc	tcc	cac	aac	ctc	att	cac	cgc	ctc	529
	177	Gly	Arg	Ala	Leu	His	Val	Asp	Leu	Ser	His	Asn	Leu	Ile	His	Arg	Leu	
	178				160					165			•		170	•		
	180	gtg	CCC	cac	ccc	acg	agg	gcc	ggc	ctg	cct	gcg	CCC	acc	att	cag	agc	577
									Gly									
	182			175			_		180					185				
	184	ctq	aac	ctq	gcc	tgg	aac	cgg	ctc	cat	gcc	gtg	ccc	aac	ctc	cga	gac	625
									Leu									
	186		190			*		195					200			-	_	
		tta		cta	cac	tac	cta	agc	ctg	gat	aaa	aac	cct	cta	qct	qtc	att	673
									Leu									
	190				3	-1-	210				1	215					220	
			cca	aat	acc	ttc		aaa	ctg	gga	gac		aca	cac	ata	tct		721
	102	G] 17	Pro	22.	Δla	Phe	212	Glv	Leu	Glv	Glv	Len	Thr	His	Len	Ser	Leu	· – <b>-</b>
	194	- Y		- Y	u	225		- Y		O-1	230					235		
		acc	acc	cta	cad		ctc	cct	gag	ctc		כככ	agt	aac	ttc		gag	769
									Glu									
	191	AIA	SET	πeα	GIII	тд	⊔€u	FIU	GIU	⊔eu	иτα	110	DCI	GIY	1116	A. y	JIU	

Input Set : A:\MERC3082.APP

198				240					245					250			
	cta	cca	aac		cad	atc	cta	gac		tica	ggc	aac	CCC		ctt	aac	817
															Leu		02.
202	шец		255	шси	Q	, u _		260		001	0-1		265				
	taa	aca		act	aaa	ata	+++		aac	cta	agc	tcc		cag	gag	cta	865
															Glu		005
206	115	270	OLY	AIG	Oru	Val	275	DCI	Cry		001	280	Lcu	0	014	<u> </u>	
	asc		tca	aac	200	220		ata	ccc	cta	cct		aca	cta	ctc	ctc	913
															Leu		, ,
	285	пси	DCI	OLY	1111	290	בכע	Vul	110	шец	295	O_u				300	
		ctc	cca	aca	cta		add	atc	acc	ata		cad	gat	ata	cgg		961
															Arg		301
214	1113	цец	110	ALG	305	GIII	DCI	Val	DCI	310	O <sub>1</sub>	0	1101	· · ·	315	Cyb	
	aaa	cac	ata	ata		asa	aac	200	tac		caa	agg	cct	aac	tcc	age	1009
															Ser		1005
218	AIG	Arg	neu	320	Arg	GIU	СТУ	1111	325	FIU	Arg	n. 9	FIO	330	Der	Der	
	000	224	a+ a		ata	a 2 a	+ ~ ~	at a		200	ccc	~==	tat		gcc	200	1057
		_		_	_		-										1057
221	PIO	пÃ2	335	Ата	пеп	птъ	Cys	340	Asp	1111	Arg	Gru	345	Ата	Ala	rra	
	~~~			2+0	++~	+ ~ ~ ~			- a+ a			7002			racto	rata	1112
						Lyai	Jaaa	-99 (	-9199	Juliu	29 9 <u>9</u>	Jucai	Jaca	a Ca	gact	geeg	1112
225	Gry	350	1111	Ile	ьeu												
	taat		-t-a	aata:	aart (	70 00	ragt:	2 2 C t t	- atr	1++a:	a a t cr	taca	72272	200	anta	ggagc	1172
																ggacc	
																accat	
																ccact	
																gggtgg	
																gcccat	
																gaggcc	
																tgcaa	
																ggaaaa	
																cccag	
																gggctc	
																ggcaag	
																cactct	
																ctcacc	
																catcct	
																ctccaa	
																ctccca	
																agggta	
																gttgc	
																atggag	
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																ggggct	
																ccatc	
																aaaaaa	
276				55		_						_					
	aaaa	1a															2557
			EQ II	D NO	: 4												2557

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,676A

DATE: 10/16/2006 TIME: 08:48:10

Input Set : A:\MERC3082.APP

Output Set: N:\CRF4\10162006\J553676A.raw

went opening bracket 281 <212> TYPE: PRT 282 <213> ORGANISM: Homo sapiens 284 <220> FEATURE: 285 <221> NAME/KEY: MOD RES 286 <222> LOCATION: (222>) (121) 287 <223> OTHER INFORMATION: Ala or Thr 289 <400> SEQUENCE: 4 290 Met Pro Trp Pro Leu Leu Leu Leu Ala Val Ser Gly Ala Gln Thr 293 Thr Arg Pro Cys Phe Pro Gly Cys Gln Cys Glu Val Glu Thr Phe Gly 20 25 296 Leu Phe Asp Ser Phe Ser Leu Thr Arg Val Asp Cys Ser Gly Leu Gly 40 35 299 Pro His Ile Met Pro Val Pro Ile Pro Leu Asp Thr Ala His Leu Asp 55 302 Leu Ser Ser Asn Arg Leu Glu Met Val Asn Glu Ser Val Leu Ala Gly 70 305 Pro Gly Tyr Thr Thr Leu Ala Gly Leu Asp Leu Ser His Asn Leu Leu 308 Thr Ser Ile Ser Pro Thr Ala Phe Ser Arg Leu Arg Tyr Leu Glu Ser 309 105 100 W--> 311 Leu Asp Leu Ser His Asn Gly Leu Xaa Ala Leu Pro Ala Glu Ser Phe 115 120 314 Thr Ser Ser Pro Leu Ser Asp Val Asn Leu Ser His Asn Gln Leu Arg 135 317 Glu Val Ser Val Ser Ala Phe Thr Thr His Ser Gln Gly Arg Ala Leu 150 155 318 145 320 His Val Asp Leu Ser His Asn Leu Ile His Arg Leu Val Pro His Pro 170 165 323 Thr Arg Ala Gly Leu Pro Ala Pro Thr Ile Gln Ser Leu Asn Leu Ala 180 185 326 Trp Asn Arg Leu His Ala Val Pro Asn Leu Arg Asp Leu Pro Leu Arg 195 200 329 Tyr Leu Ser Leu Asp Gly Asn Pro Leu Ala Val Ile Gly Pro Gly Ala 215 332 Phe Ala Gly Leu Gly Gly Leu Thr His Leu Ser Leu Ala Ser Leu Gln 230 235 335 Arg Leu Pro Glu Leu Ala Pro Ser Gly Phe Arg Glu Leu Pro Gly Leu 245 250 338 Gln Val Leu Asp Leu Ser Gly Asn Pro Lys Leu Asn Trp Ala Gly Ala 265 341 Glu Val Phe Ser Gly Leu Ser Ser Leu Gln Glu Leu Asp Leu Ser Gly 275 280 344 Thr Asn Leu Val Pro Leu Pro Glu Ala Leu Leu His Leu Pro Ala 295 347 Leu Gln Ser Val Ser Val Gly Gln Asp Val Arg Cys Arg Arg Leu Val 310 315 350 Arg Glu Gly Thr Tyr Pro Arg Arg Pro Gly Ser Ser Pro Lys Val Ala 325 330

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/553,676A

DATE: 10/16/2006 TIME: 08:48:11

Input Set : A:\MERC3082.APP

Output Set: N:\CRF4\10162006\J553676A.raw

#### Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 121
Seq#:4; Xaa Pos. 121

### VERIFICATION SUMMARY

PATENT APPLICATION: US/10/553,676A

DATE: 10/16/2006

TIME: 08:48:11

Input Set : A:\MERC3082.APP

Output Set: N:\CRF4\10162006\J553676A.raw

L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:385 L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:112